

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

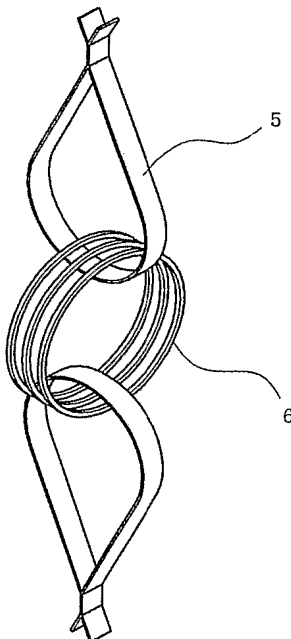
PCT

(10) International Publication Number
WO 2005/048889 A1

- (51) International Patent Classification⁷: **A61F 5/04**, 13/14, 5/02, 5/00
- (74) Agent: **HWANG, Byungdo**; Patra Patent And Trademark Law Office, Rm No. 206, Regent Officetel B/d, 547-8, Guui-dong, Gwangjin-gu, Seoul 143-709 (KR).
- (21) International Application Number:
PCT/KR2004/000537
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 13 March 2004 (13.03.2004)
- (25) Filing Language: Korean
- (26) Publication Language: English
- (30) Priority Data:
10-2003-0081867 18 November 2003 (18.11.2003) KR
10-2003-0081866 18 November 2003 (18.11.2003) KR
10-2003-0100651 30 December 2003 (30.12.2003) KR
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant and
(72) Inventor: **CHANG, Ickchun** [KR/KR]; #6-501 6th Yeonse River Vill, #184-1, Gwangjang-dong, Gwangjin-gu, Seoul 143-210 (KR).
- Published:
— with international search report

[Continued on next page]

(54) Title: A WRINKLED BAND WITHOUT AIR EXPANSION TUBE AND ITS MANUFACTURING METHOD



(57) Abstract: The present invention relates to a belt-type wrinkled band used for healing a hernia of intervertebral disk or protection the intervertebral disk. In particular, the expansion and contraction by air-injection can be achieved, without using a rubber tube for the contraction and expansion.

WO 2005/048889 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.